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# Micro Focus Security ArcSight ESM

Software Version: 6.11 Patch 4

## Upgrade HA Environment on ESM 6.11 Patch 4 to RHEL 6.10 or CentOS 6.10

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# Upgrade Procedure

This document describes how to upgrade ESM 6.11 Patch 4 with the High Availability (HA) module on RHEL or CentOS 6.7, 6.8, or 6.9 to support RHEL or CentOS 6.10.

Your environment must meet the following requirements before you perform the upgrade:

- ESM 6.11 with or without any patches
- HA module on the primary and secondary servers
- RHEL or CentOS 6.7, 6.8, or 6.9

## To perform the upgrade:

1. As user root, run the following command to disable `drbd.service` on both servers:

```
chkconfig drbd off
```

To verify that the operation was successful, run the following command:

```
chkconfig --list drbd
```

The results should be similar to the following:

```
drbd 0:off 1:off 2:off 3:off 4:off 5:off 6:off
```

This setting should persist.

2. As user root, run the following command to place the secondary server in standby mode:

```
crm_standby -v true
```

3. As user root, run the following command on the secondary server to take it offline:

```
service heartbeat stop
```

4. On the secondary server:

- a. Configure yum to upgrade to the new operating system.

- b. Upgrade the operating system to RHEL or CentOS 6.10.

Add an exclude statement for the following packages to your RHEL or CentOS 6 base repo configuration (`/etc/yum.repos.d/rhel-source.repo` or `/etc/yum.repos.d/CentOS-Base.repo`) under the updates section.

Following is an example for RHEL:

```
[updates]
```

```
name=RHEL-$releasever - Updates
mirrorlist=http://mirrorlist.rhel.org/
?release=$releasever&arch=$basearch&repo=updates
#baseurl=http://mirror.rhel.org/rhel/$releasever/updates/$basearch/
gpgcheck=1
gpgkey=file:///etc/pki/rpm-gpg/RPM-GPG-KEY-RHEL-6
exclude=heartbeat* corosync* pacemaker* drbd* resource-agents
cluster-glue*
```

Following is an example for CentOS:

```
[updates]
name=CentOS-$releasever - Updates
mirrorlist=http://mirrorlist.centos.org/
?release=$releasever&arch=$basearch&repo=updates
#baseurl=http://mirror.centos.org/centos/$releasever/updates/$basearch/
gpgcheck=1
gpgkey=file:///etc/pki/rpm-gpg/RPM-GPG-KEY-CentOS-6
exclude=heartbeat* corosync* pacemaker* drbd* resource-agents
cluster-glue*
```

- c. Download the HA Update from the [Micro Focus software download site](#).  
The file name is HA\_6.11\_Update\_For\_6.100S.tgz.
- d. After you download the software, contact [Micro Focus ArcSight Support](#) to verify that the signed software is from Micro Focus and has not been manipulated by a third party.
- e. Copy the HA update to the /tmp partition on the server.
- f. Run the following commands to install the HA update:

```
tar -zxvf HA_6.11_Update_For_6.100S.tgz
cd HA_6.11_Update_For_6100S
./HAUpdate.sh
```

5. As user root, run the following command on the secondary server to bring it online:

```
service heartbeat start
```

6. Stop the ArcSight services on the primary server:

```
service arcsight_services stop all
```

The services will not be available until you complete the operating system upgrade on the primary server.

7. Repeat steps three through five on the primary server.  
ESM will not be available during the update.
8. As user root, run the following command on the secondary server to take it out of standby mode:  
`crm_standby -D`
9. As user root, run the following command on either server to verify the HA update:  
`/usr/lib/arcsight/highavail/bin/arcsight_cluster status`
10. If any of the ArcSight services do not restart automatically, run the following command on the primary server (where `/opt/arcsight` resides) to restart them:  
`service arcsight_services start`
11. Start the ArcSight Console and ensure that you can log in successfully and that features operate as expected.

**Note:** If the disks will not connect after the update, run `arcsight_cluster diagnose` to resolve the issue.

# Send Documentation Feedback

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**Feedback on Upgrade HA Environment on ESM 6.11 Patch 4 to RHEL 6.10 or CentOS 6.10 (ESM 6.11 Patch 4)**

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